

Staff Profile



Name : **Dr. V. Muthumani**

Position : **Associate Professor & Head**

Department : **Microbiology**

Email : **pearlbell78@gmail.com**

Phone : **Mob: 9442034527**

Office Location : **NKR Govt. Arts College for Women, Namakkal**

Education : **M.Sc., M.Phil., B.Ed., Ph.D.**

S. No	Degree	University	Year of Graduation
1	Ph.D (Microbiology)	Bharathidasan University, Trichy	2008
2	B.Ed (Bio-Science)	Bharathidasan University, Trichy	2007
3	M.Phil (Biotechnology)	Bharathidasan University, Trichy	2004
4	M.Sc (Microbiology)	Madurai Kamaraj University, Madurai	2000
5	B.Sc (Zoology)	Madurai Kamaraj University, Madurai	1998

Professional Experience:

S.No	Year	Position Held	Institution	Responsibility
1	March 2023 – Till date	Associate Professor	NKR Govt. Arts College for Women, Namakkal	Teaching UG, PG & Ph.D, Head(I/C) for Botany, Library I/C, NAAC Co-coordinator,
2	2011 - 2023	Assistant Professor	NKR Govt. Arts College for Women, Namakkal	Teaching UG, PG & Ph.D, NSS & RRC coordinator, Exam chief superintendent,

				Union I/C
3	2008 -2010	Vice Principal	Dhanalakshmi Srinivasan College, Perambalur	NAAC & Research coordinator
4	2005 -2007	HOD, Warden	Dhanalakshmi Srinivasan College, Perambalur	NAAC & ISO coordinator, Management Representative
5	2000 - 2004	Lecturer, Warden	Dhanalakshmi Srinivasan College, Perambalur	Teaching UG & PG, I/C for 700 Students in Hostel

Research Interests:

1. As a **Principal investigator** received **Rs 4.87 lakhs Grant from DBT, Govt. of India** for the Project entitled “Training cum demonstration of organic farming of onion in two villages of Perambalur district of Tamilnadu” during 2008 - 2010.
2. Guided 120 project students at PG level (Microbiology & Biotechnology)
3. Guided 18 M. Phil students.
4. Co Guided 1 Ph D student.
5. Guiding 3 P hD students.

Publications:

ARTICLES PUBLICATIONS:

1. Molecular identification of leptospira interrogans and its treatment with *Antrographis Paniculata* extract: ***Journal of Molecular genetics, Microbiology and virology*** , volume 38, issue 4: **Macrh 2024**, (ISSN 0891- 4168) page no: 277 -286.
2. Screening and characterization of bioactive phytochemicals from *andrographis paniculata*, **International Journal of Research and Analytical Reviews (IJRAR): 2023 IJRAR** , Volume 10, Issue 2: June 2023, www.ijrar.org (E-ISSN 2348-1269, P- ISSN 2349-5138) Pg no : 657 – 683.
3. Isolation and Plasmid profiling of pigment Producing Bacteria from salt pan Ecosystem, ***Journal of Pharmaceutical negative results***: Volume13, Issue 4: 2022, pg no 1769 – 1775.
4. Isolation and Identification of Pesticide Degrading Bacteria from Cow dung, ***Journal of Applied Science and Computations***, Volume VIII, Issue IV, April/2021, ISSN NO: 0022-1945, Pg no: 336 – 347.

5. Isolation and Identification of Hydrocarbon Degrading Bacteria from Cow dung, *Journal of Applied Science and Computations*, ISSN NO: 0022-1945, Volume VIII, Issue I, January/2021, Pg no:565 – 575.

6. Isolation and Identification Of Hydrocarbon Degrading Bacteria From Rhizosphere Soil Of Chilli Plant, *Journal of Applied Science and Computations*, ISSN NO: 0022-1945, , Volume VIII, Issue II, February/2021, Pg no: 282 – 288.

7. Isolation and Identification of pesticide degrading bacteria from Rhizosphere soil of chilli plant , *Journal of Applied Science and Computation*, Volume VIII, Issue III, March/2021, ISSN NO: 1076-5131, Pg no: 102 – 110.

8. The screening of indole -3acetic acid (iaa) producing bacteria from Rhizosphere of black pepper by rapid plate assay, *Computational studies*, ISSN: 1462-6063.2020.

9. Bifloc microbial coaggregates for augmentation and enhancement of growth and yield of Black gram, *J of Ecobiology*, Vol 26(1), 2010.97 – 100.

10. Production and purification of bacteriocin from *Lactobacillus brevis*. *Asian Jrof Microbiol. Biotech.Env.Sc* – Vol 12 (1):2010: 1-2.

11. Production of L phenyl acetyl carbinol by whole cells of Hansenullapolyomorpha. *J of Pure and Applied Microbiology*, Vol (4), No: 01.2010.

12. Standardization of Human Papilloma virus DNA test correlation with pathology of cervical Cancer. *J of Pure and Applied Microbiology*, Vol (4), No: 01.2010

13. Effects of exercise on HIV/AIDS patients”, *Asian Jr of Microbiol. Biotech.Env.Sc*. Vol 12 (1):2010: 1-2.

14. Biodegradation of Diesel oil using bacterial consortia, *J of Microbial wolrd*, Vol 12 No (1): 2010.

15. Antifungal Activity of selected Medicinal Plants. *J of Ecotoxicol. Environ.monit.* Vol 20 (4) 2010. 359 – 363.

16. Biotransformation of Benzaldehyde in to (R) phenyl acetyl carbinol by *Brettanomyces Lambicus* or their extracts. *J of Biosciences, Biotechnology Research Asia*. Vol 6 (2):2009. 679 – 686.

17. Invitro study of antimicrobial activity of Biocolours against two enteric pathogens, *Indian J of Nutrition and Dietetics*, Vol 46: 515- 517, 2009.

18. Role of exercise and herbal therapy for HIV infection, *J of Biomedical & Pharmacology*, Vol 2 (1), 43-48, 2009.

19. Comparative study of fly ash and fly ash mixed bacterial culture on the growth of *Arachis hypogea*, *J of pure and applied microbiology*, Vol 3 No (2):613 – 616, 2009.

20. Prevalence of AIDS Tamilnadu, in *Asian Jr of Microbiol. Biotech. Env. Sc.* Vol. No (2): 273-274, 2008.

21. “Role of Laccase in the Detoxification of Pesticides”, *Convergence*, Vol 6, 91-97, 2004.

PUBLICATIONS IN PROCEEDINGS:

1. Asiya P and V. Muthumani: Antagonistic activity of *Pseudomonas fluorescence* collected from *Peper nigrum* (L). MESMAC International Conferences: Applying Theory Paradigms Practices Faultiness. (ISBN 978-93-5396-247-0). pp: 378 -385. 2020.

BOOK / BOOK CHAPTER PUBLISHED:

1. Asiya P, Sanithu, Shakeela V and V. Muthumani. Book Chapter 37: Bio Prospecting of Bacteria Isolated from Rhizospheric Soil of Black Pepper (*Piper nigrum* L.). In Frontiers in Biological and Medical Sciences – FBMS’24. Published by GENIC Book Publishers (ISBN: 978-81-971354-4-6), PP: 200-205. 2024.

GENE SEQUENCE SUBMISSION IN GENE BANK:

- 1 Asiya p., Shijili., Shakeela v., and Muthumani V., *Brevudimonas vesicularis* Strain MSSRF1 16S ribosomal RNA gene, Partial Sequence., Gene bank: OR272005.1. Jul 15, 2023.
- 2 Asiya P., Anagha kp., Shakeela V., and Muthumani v., *Serratia nematodiphila* strain MSSRF4 16S ribosomal RNA gene, partial sequence., Gene bank : OR298240. July 19., 2023
- 3 Asiya and Muthumani V *Pseudomonas Fluorecens* strain 16S ribosomal RNA gene, partial sequence., Gene bank : PP939171., june 23., 2024.
- 4 Asiya,P., Anjana Kunjumon,J., Shakeela,V. and Muthumani,V. *Acinetobacter junii* 16S ribosomal RNA gene, partial sequence Gene bank : GenBank: OR242481.1, 07 July, 2023.

- 5 Muthumani,V., Archana,J., Bhuvaneswari,R. and Gopinath,L.R.***Acinetobacter calcoaceticus* strain MORSB5 16S ribosomal RNA gene, partial sequence. FEB 2020.** GenBank: MT043742.1, 11 Feb,2020.
- 6 Kowsalyadevi,V., **Muthumani,V.** and Vaishnavi,s. **Enterobacter kobei strain PPSB5 16S ribosomal RNA gene, partial sequence.** FEB 2020. GenBank: MT071342.1
- 7 Kowsalyadevi,V., **Muthumani,V.** and Rooba,R. **Microbacterium marinilacus strain PB1 16S ribosomal RNA gene, partial sequence.** FEB 2020. GenBank: MT071343.1

Awards and Honors:

1. **Distinguished Professor Award** for Outstanding professional & Research Achievements in the field of Microbiology, From Institute of Researchers, Kerala, April 26th,2024.
2. **Distinguished Professor Award** for outstanding contribution in the field of education from London Tamil Academy of Language & Arts, London on 05/09/2021.
3. **Millennium Scientist Award** for contribution in development of Scientific Aspect in 2020 from Vivekananda college of Arts & Science, Tiruchencode on 5th March 2020.
4. **Perasiriyar kalaimani Award** from Kaviyarasar kalai Tamil sangam, Paramathi velur on 05.09.2019.
5. **Dr APJ Abdul kalam Award** for Teaching Excellence 2019 on 24th November 2019 from Marina labs, Chennai.

Area of Specialization: Medical Microbiology & Immunology

Professional Memberships:

1. Life member (LM032422) in Institute of Researchers, Kerala.

Contact Information

Office Hours : 10 a.m to 05 p.m

Office Phone : 04286-221152

Email : nkgacin@rediffmail.com

Website : www.nkgacw.org